

**REMARKS**

Claims 1-4, 7-14 and 17-20 are pending in this application. By this Amendment, claims 1, 7, 9-12 and 17 are amended and claims 6, 15 and 21 are canceled without prejudice or disclaimer. Various amendments are made to the claims for clarity and are unrelated to issues of patentability.

The Office Action rejects claims 1, 7-9, 11-12 and 17-18 under 35 U.S.C. §103(a) over U.S. Patent Publication 2002/0069411A1 to Rainville et al. (hereafter Rainville) in view of U.S. Patent 5,175,623 to Jenison (hereafter Jenison). The Office Action further rejects claims 2-3, 13 and 19 over Rainville, Jenison and further in view of U.S. Patent 6,333,762 to Yoo et al. (hereafter Yoo). Still further, the Office Action rejects 14 and 20 over Rainville, Jenison and further in view of U.S. Patent 6,373,527 to Lee (hereafter Lee). The Office Action also rejects claims 4, 6, 10, 15 and 21 over Rainville, Jenison and further in view of U.S. Patent 5,625,764 to Tsujimoto et al. (hereafter Tsujimoto). The rejections are respectfully traversed.

Independent claim 1 recites an adjusting part for adjusting a presenting ratio of a video signal from the second video processing part, wherein a given number of bits of the video signal from the second video processing part are selected and presented in order of significance level thereof. Independent claim 1 further recites a switching part for superimposing the video signal from the first video processing part and the video signal from the adjusting part according to the control signal from the control part, by replacing bits of the video signal from the first video processing part in reverse order of significance level thereof with the video signal bits presented from the adjusting part.

The applied references do not teach or suggest these features. Rainville does not suggest features relating to significant levels or the order of significant levels. Additionally, Jenison merely discloses that a bit may be selected between two video signal bits of a same significance level for each level of significance, so as to mix the two video signals. Jenison can not therefore display Most Significant Bits (MSB) of both video signals at a same time. This differs from features of independent claim 1 and the advantages thereof. That is, Jenison does not teach or suggest that a given number of bits of the video signal from the second video processing part are selected and presented in order of significance level thereof in combination with the switching part to replace bits of the video signal from the first video processing part in reverse order of significance level thereof with the video signal bits presented from the adjusting part. The other applied references do not teach or suggest these features of independent claim 1 missing from Jenison. Accordingly, Jenison and the other applied references do not teach or suggest all the features of independent claim 1. Thus, independent claim 1 defines patentable subject matter.

Independent claim 7 also defines patentable subject matter for at least similar reasons. That is, independent claim 7 adjusting the mix ratio the user desires with reference to the displayed mix ratio, and replacing a video signal of the main picture in reverse order of significance level thereof with a video signal of the PIP selected and presented in order of significance level thereof according to the adjusted mix ratio. For at least similar reasons as set forth above, Jenison does not teach or suggest replacing a video signal of the main picture in reverse order of significance level thereof with a video signal of the PIP selected and presented

in order of significance level thereof according to the adjusted mix ratio. Accordingly, independent claim 7 defines patentable subject matter.

Independent claim 11 also defines patentable subject matter for at least similar reasons. That is, independent claim 11 recites outputting a given number of data bits among the sub picture data according to a user command in order of significance level thereof and superimposing the outputted sub picture data bits on the main picture data, wherein the outputted sub picture data bits replaces bits of the main picture data in reverse order of significance of the main picture data bits. For at least similar reasons as set forth above, the applied references do not teach or suggest these features. Thus, independent claim 11 defines patentable subject matter.

Independent claim 17 also defines patentable subject matter for at least similar reasons. That is, independent claim 17 recites a switching unit coupled to the output unit for superimposing the outputted sub picture data bits on the main picture data, wherein the switching unit superimposes the outputted sub picture data bits on the main picture data by substituting the outputted sub picture data bits for bits of the main picture data in reverse order of significance of the main picture data bits. For at least the reasons set forth above, the applied references do not teach or suggest these features. Thus, independent claim 17 defines patentable subject matter.

Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

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### **CONCLUSION**

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1-4, 7-14 and 17-20 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David C. Oren**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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